



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2689

Madison, WI 53701-2689

Approval #

980074-U

Wisconsin Material Approval

Material

LDS and PetroTrip II Leak Detection Systems

Manufacturer

Environ Products, Inc.
620 Pennsylvania Drive
Exton, PA 19341

SCOPE OF APPROVAL

The LDS and PetroTrip II leak detection systems were evaluated as continuous interstitial monitoring systems that meet the requirements for monthly monitoring of lines in accordance with **s. ILHR 10.615 (3)**. The LDS was also evaluated for continuously monitoring the interstitial space of double-walled underground storage tanks in accord with **s. ILHR 10.61 (7)**.

DESCRIPTION AND USE

The LDS System consists of a display console and up to 24 sensors that can be used to monitor the interstitial space in GeoFlex® piping, the interstitial space in double-walled tanks, or dispenser sumps and pans.

The Petrotrip II system consists of a discriminating sump or pipe sensor that automatically shuts off the AC power to the dispenser or pump when water or petroleum products are detected in the sump dispenser pan or in the interstitial space of GeoFlex® double-walled piping.

TESTS AND RESULTS

Time to alarm was determined for both systems to be approximately 23 seconds when immersed in one inch of gasoline and 130 seconds when immersed in one inch of diesel.

LIMITATIONS OF APPROVAL

Installation and maintenance procedures specified by the manufacturer shall be followed for all products.

The PetroTrip II and the LDS system may be used for monthly monitoring of suction piping as required under **s. ILHR 10.60 (2) (b)** or for pressurized piping as required under **s. ILHR 10.60 (2) (a) 2**. Pressurized piping requires an additional automatic line leak detector as required under **s. ILHR 10.60 (2) (a) 1**.

The LDS system may be used to monitor the interstitial space of double-walled tanks in accordance with **s. ILHR 10.61 (7)**.

This approval will be valid through December 31, 2003, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____ By: _____

Duane Hubeler, P.E.
Code Consultant
Program Development Bureau